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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/565,019	01/19/2006	Eiichi Kitazono	Q92802	5222
23373 7590 06/07/2007 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.			EXAMINER	
			HEINCER, LIAM J	
	SUITE 800 WASHINGTON, DC 20037			PAPER NUMBER
WASIIINGTO	11, DC 20037	·	1709	
			MAIL DATE	DELIVERY MODE
			06/07/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
Office Action Summary		10/565,019	KITAZONO ET AL.			
		Examiner	Art Unit			
	The MAILING DATE of this communication app	Liam J. Heincer ears on the cover sheet with the	1709			
	Period for Reply					
WHIC - Exter after - If NO - Failu Any I	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE is a solution of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	TE OF THIS COMMUNICAT 6(a). In no event, however, may a reply b ill apply and will expire SIX (6) MONTHS cause the application to become ABAND	ION. be timely filed from the mailing date of this communication. DNED (35 U.S.C. § 133).			
Status						
1)🛛)⊠ Responsive to communication(s) filed on <u>19 January 2006</u> .					
′=	This action is FINAL . 2b)⊠ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims					
4)⊠ Claim(s) <u>1 and 2</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdraw	n from consideration.				
	Claim(s) is/are allowed.					
	Claim(s) <u>1 and 2</u> is/are rejected. Claim(s) <u>1 and 2</u> is/are objected to.					
· <u> </u>	Claim(s) are subject to restriction and/or	election requirement.				
o, E. Grammer, and cassists to recent analysis election requirements.						
	on Papers					
· · · · · · · · · · · · · · · · · · ·	The specification is objected to by the Examiner					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority (ınder 35 U.S.C. § 119					
_	<u>-</u>		26.26.20			
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)☐ Some * c)☐ None of: 1.☐ Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
		·				
Attachment(s)						
	e of References Cited (PTO-892)		4) Interview Summary (PTO-413) Paper No(s)/Mail Date			
3) 🗵 Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08)	5) Notice of Inform	5) Notice of Informal Patent Application			
Paper No(s)/Mail Date <u>4/2007</u> . 6)						

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DETAILED ACTION

Specification

The disclosure is objected to because of the following informalities: The structure provided at the bottom of page five of the original specification is difficult to read. It is not entirely clear whether the bridging oxygen is bonded to the ring or to the methyl group off of the amine.

Appropriate correction is required.

Claim Objections

Claims 1 and 2 are objected to because of the following informalities: The structure provided in line 7 of claim 1 is difficult to read. It is not entirely clear whether the bridging oxygen is bonded to the ring or to the methyl group off of the amine.

For the purpose of further examination the structure will be interpreted as:

In addition, in lines 10 and 11 the letters "I" and "m" are underlined. The Office reserves the use of underlines in claims for corrections on patents. Finally, the use of parenthesis in lines 8 and 11 creates confusion as to whether the enclosed material is part of the claim.

Appropriate correction is required.

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Rhee et al. (US Pat 5,470,911).

Considering Claim 1: Rhee et al. teaches a conjugate/compound (4:26-31) comprising a hyaluronic acid (7:19-23) and a polyethylene glycol/polyalkylene oxide derivative (4:32-36), wherein the content of the polyethylene glycol/polyalkylene oxide derivative is from 5 to 100 equivalents per 100 equivalents of the carboxyl group of the hyaluronic acid (example 1). Rhee teaches "n" (i.e. "I") as representing an integer of from 300 to 30,000 (7:60) and polyethylene glycol having a molecular weight between 100 and 15,000 (i.e. "m" as representing an integer from 3 to 140) (11:18-26). Rhee et al. teaches forming the conjugate through an ester linkage (11:56-61).

Considering Claim 2: Rhee et al. teaches the composition being a hydrogel (28:47-53).

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO form 892.

Fagnani et al. (US 2005/0037343) teaches polypropylene glycol, polyethylene glycol and copolymers thereof as being equivalents in formation of hydrogel.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Liam J. Heincer whose telephone number is 571-270-3297. The examiner can normally be reached on Monday thru Friday 7:30 to 5:00 EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Eashoo can be reached on 571-272-1197. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LJH

June 5, 2007

MARK EASHOO, PH.D PRIMARY EXAMINER

05-Jm-07

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